

Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT114-003-F2024/it114-module-2-java-problems/grade/vvh>

Course: IT114-003-F2024

Assignment: [IT114] Module 2 Java Problems

Student: Valeria C. (vvh)

Submissions:

Submission Selection

1 Submission [submitted] 9/23/2024 7:49:46 PM

Instructions

^ COLLAPSE ^

Overview Video: <https://youtu.be/4M8Di5jrcZQ>

Guide:

1. Make sure you're in the main branch locally and `git pull origin main` any pending changes.
2. Make a new branch per the recommended branch name below (`git checkout -b ...`).
3. Create a folder in your local repo called `Module2`
4. Grab the template code from <https://gist.github.com/MattToegel/fdd2b37fa79a06ace9dd259ac82728b6>.
5. Create individual Java files for each problem and save the files inside the `Module2` folder.
 1. They should end with the file extension in lowercase `.java`.
6. Move the unedited template files to GitHub.
 1. `git add .`
 2. `git commit -m "adding template files"`
 3. `git push origin branch_name` (see below).
 4. Create and open a pull request from the homework branch to main (leave it open until later steps).
7. Note: As you work, it's recommended to add/commit at least after each solution is done (i.e., 3+ times in this case).
 1. Make sure the files are saved before doing this.
 2. A file is unsaved if you see a white dot in the tab where the filename shows in VS Code
8. Fill in the items in the worksheet below (save as often as necessary).
9. Once finished, export the worksheet.
10. Add the output file to any location of your choice in your repository folder (i.e., a `Module2` folder).
11. Check that git sees it via `git status`.
12. If everything is good, continue to submit.

12. If everything is good, continue to submit.

1. Track the file(s) via `git add`.
2. Commit the changes via `git commit` (don't forget the commit message).
3. Push the changes to GitHub via `git push` (don't forget to refer to the proper branch).
4. Create a pull request from the homework related branch to main (i.e., main ← "homework branch").
5. Open and complete the merge of the pull request (it should turn purple).
6. Locally checkout main and pull the latest changes (to prepare for future work).

13. Take the same output file and upload it to Canvas.

Branch name: M2-Java-Problems

Group

100%

Group: Problem 1

Tasks: 1

Points: 3

^ COLLAPSE ^

Task

100%

Group: Problem 1

Task #1: Screenshot of the Problem 1 Solved Code and Output

Weight: ~100%

Points: ~3.00

^ COLLAPSE ^

Details:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have only the odd values output.
Requires at least 2 screenshots (code + output from terminal)



Columns: 2

Sub-Task

100%

Group: Problem 1

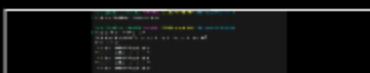
Task #1: Screenshot of the Problem 1
Solved Code and Output

Sub Task #1: Screenshot the output of
the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1



Sub-Task

100%

Group: Problem 1

Task #1: Screenshot of the Problem 1
Solved Code and Output

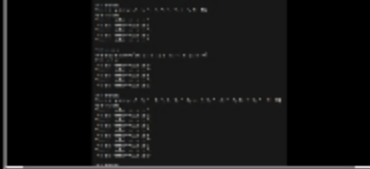
Sub Task #2: Screenshot the code
solution (ucid/date must be included as
a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1





output of problem 1

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*



code solution of problem 1

Caption(s) (required) ✓

Caption Hint: *Describe/highlight what's being shown*

Task Response Prompt

Explain in concise steps how this logically works

Response:

In this problem, the program has four arrays of integers. the program initializes these arrays and passes each one to the processArray method. inside this method, the for loop goes through each element of the array temporarily storing it in a variable called num. for each number, the program checks if it is oof by using the modulus number which checks if the number leaves a remainder when divided by 2. if the number is odd, it gets printed and the process repeats for all elements in all arrays.

End of Task 1

End of Group: Problem 1

Task Status: 1/1

Group

100%

Group: Problem 2

Tasks: 1

Points: 3

^ COLLAPSE ^

Task

100%

Group: Problem 2

Task #1: Screenshot of the Problem 2 Solved Code and Output

Weight: ~100%

Points: ~3.00

^ COLLAPSE ^

iDetails:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have its values summed AND the final result converted to two decimal places (i.e., 0.10, 1.00, 1.01).



Columns: 2

Sub-Task

Group: Problem 2

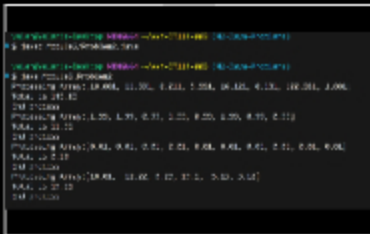
100%

Task #1: Screenshot of the Problem 2
Solved Code and Output
Sub Task #1: Screenshot the output of
the solved problem

Task Screenshots

Gallery Style: 2 Columns

4 2 1



output of problem 2

Caption(s) (required) ✓

Caption Hint: Describe/highlight what's being shown

Sub-Task

Group: Problem 2

100%

Task #1: Screenshot of the Problem 2
Solved Code and Output
Sub Task #2: Screenshot the code
solution (ucid/date must be included as
a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1



code solution of problem 2

Caption(s) (required) ✓

Caption Hint: Describe/highlight what's being shown

Task Response Prompt

Explain in concise steps how this logically works

Response:

In this problem, the program calculates the total sum of the numbers in each array of doubles and prints the result formatted in two decimal places. the main method defines 4 arrays of double values, and for each array, it calls the getTotal method. inside the getTotal, the program first prints the array, then uses it for a loop to go through each number in the array and adds it to a total variable. after all numbers are summed, the total is formatted to show two decimal places using the string.format and the loop repeats for all four arrays.

End of Task 1

End of Group: Problem 2

Task Status: 1/1

Group

100%

Group: Problem 3

Tasks: 1

Points: 3

^ COLLAPSE ^

Task



Group: Problem 3

Task #1: Screenshot of the Problem 3 Solved Code and Output

Weight: ~100%

Points: ~3.00

^ COLLAPSE ^

Details:

Only make edits where the template code mentions.

Solution should ensure that any passed in array will have its values converted to a positive version of the value AND converted back to the original data type.

Columns: 2

Sub-Task



Group: Problem 3

Task #1: Screenshot of the Problem 3 Solved Code and Output

Sub Task #1: Screenshot the output of the solved problem

Sub-Task



Group: Problem 3

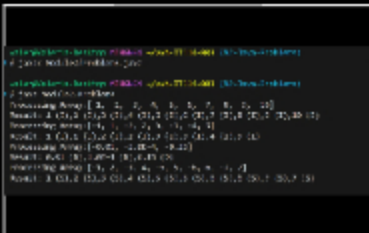
Task #1: Screenshot of the Problem 3 Solved Code and Output

Sub Task #2: Screenshot the code solution (ucid/date must be included as a comment)

Task Screenshots

Gallery Style: 2 Columns

4 2 1



output of problem 3

Caption(s) (required) ✓

Caption Hint: Describe/highlight what's being shown

Task Screenshots

Gallery Style: 2 Columns

4 2 1



code solution of problem 3

code solution problem 3 part 2

Caption(s) (required) ✓

Caption Hint: Describe/highlight what's being shown

Task Response Prompt

Explain in concise steps how this logically works

Response:

in this problem, the program takes 4 arrays containing integers, doubles, and strings, it converts all these negative values to positive ones and prints them while keeping the negative values. the mian method initializes these arrays and calls the bePositive method for each one. inside the bePositive method, the program crates an object[] array to store the results. it then uses the for

loop to go through each element of the array. it checks its type using the instanceof and if the element is an integer or double, math.abs() makes it positive. if the element is a string, it converts it in an integer and then converted back to a string. after going through all elements, it uses a stringbuilder to format and print the results showing the value and the data type of each element.

End of Task 1

End of Group: Problem 3

Task Status: 1/1

Group

100%

Group: Reflection

Tasks: 3

Points: 1

⤴ COLLAPSE ⤵

Task

100%

Group: Reflection

Task #1: Reflect on your experience

Weight: ~33%

Points: ~0.33

⤴ COLLAPSE ⤵

Details:

Talk about any issues you had, how you resolved them, and anything you learned during this process.

Provide concrete details/examples. At least a few sentences.



⇒ Task Response Prompt

Response:

For this assignment, I did have some issues with Problem 2 and 3. I was having a hard time with problem 2 because for some reason at the execution of the exercise, I was not getting for array one and third the correct value rounded to two decimal places so I had to look for alternatives to make it work and after some research I was not really convinced because for me it looked weird and then everything just result in getting rid of totaloutput = total "" because by using the string.format and the totaloutput was causing like a double formatting. Then for problem 3, I had to read because I was not to sure of how to accomplish the expected output but at the end I did learn and understand.

End of Task 1

^ COLLAPSE ^

The correct link will end with /pull/ and a number.



URL #1

<https://github.com/vvh24/vvh-IT114-003/pull/4>

UHL

<https://github.com/vvh24/vvh-IT114-003/pull/4>

End of Task 2



Points: ~0.33

^ COLLAPSE ^

Note: The duration of time isn't directly related to the grade, the goal is to just make sure time is being tracked

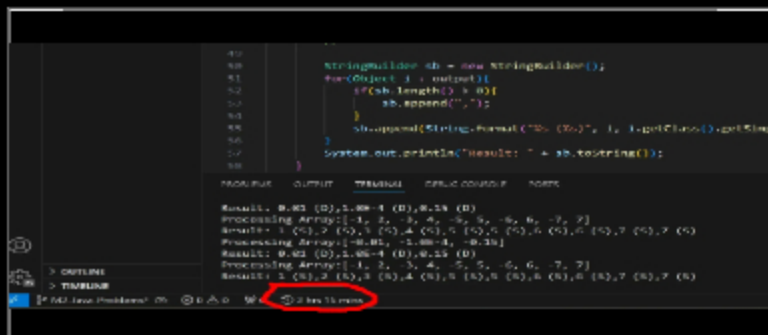


Gallery Style: 2 Columns

4

2

1



Wakatime screenshot in vscode



waketime screenshot specific files 2

Projects • vvh-IT114-003

3 hrs 24 mins over the [Last 7 Days](#) in vvh-IT114-003 under [all](#) branches. 📎

waketime screenshot overall 3

End of Task 3

End of Group: Reflection

Task Status: 3/3

End of Assignment